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INDEX TO AMERICAN BOTANICAL LITERATURE

1907-1911

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material ; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Ames, O. Notes on Philippine orchids with descriptions of new species, III. Philipp. Jour. Sci. 6: (Bot.) 35-56. Mr 1911.

Includes description of 22 new species.

Bailey, I. W. Acretaceous *Pityoxylon* with marginal tracheides. Ann. Bot. 25: 315-325. pl. 26. Ap 1911.

Bethel, E. Notes on some species of *Gymnosporangium* in Colorado. Mycologia 3: 156-160. pl. 48+f. 1. 3 Je 1911.

Includes *Gymnosporangium Kernianum* sp. nov.

Bissell, C. H. Two new plants for Vermont. Vermont Bot. Club Bull. 6: 17, 18. Ap 1911.

Britton, E. G. Review of Dismier's revision of *Philonotis*. Bryologist 14: 43, 44. My 1911.

Includes *Philonotis longiseta* (Michx.) E. G. B., comb. nov.

Britton, N. L. Botanical exploration in Cuba. Jour. N. Y. Bot. Gard. 12: 89-95. 31 My 1911.

Brown, A. P. New cycads and conifers from the Trias of Pennsylvania. Proc. Acad. Nat. Sci. Philadelphia 63: 17-21. pl. 1-5. Mr 1911.

Four new species described and illustrated.

Brown, W. H. Cell division in *Lyngbya*. Bot. Gaz. 51: 390, 391. 17 My 1911.

Chamberlain, R. V. The ethno-botany of the Gosiute Indians. Proc. Acad. Nat. Sci. Philadelphia 63: 24-99. Mr 1911.

- Christ, H.** *Filices Wilsonianae*. Bot. Gaz. **51**: 345-359. f. 1, 2. 17 My 1911.
- Clark, A. H.** The ontogeny of a genus. Am. Nat. **45**: 372-374. Je 1911.
- Clark, E. D.** The nature and function of the plant oxidases. Torreyana **11**: 23-31. 14 F 1911; **11**: 55-61. 21 Mr 1911; **11**: 84-92. 19 Ap 1911; **11**: 101-110. 17 My 1911.
- Clements, F. E., Rosendahl, C. O., & Butters, F. K.** Guide to the spring flowers of Minnesota. Minnesota Plant Studies **1**: 1-40+ i-v. Ap 1910. [Ed. 2.]
The first edition published Mr 1908.
- Clements, F. E., Rosendahl, C. O., & Butters, F. K.** Guide of the trees and shrubs of Minnesota. Minnesota Plant Studies **2**: 1-28. O 1908.
A second edition published S 1910 adds 7 pages of Introduction with illustrations.
- Clinton, G. P.** Oospores of potato blight. Science II. **33**: 744-747. 12 My 1911.
- Cook, M. T., and others.** Protective enzymes. Science II. **33**: 624-629. 21 Ap 1911.
- Daniels, F. P.** The Flora of Columbia, Missouri, and vicinity: an ecological and systematic study of a local flora. Univ. Missouri Stud., Sci. Ser. **1**²: 1-319. pl. 1. Ja 1907.
- Darling, N.** Additions to Hartland flora in 1910. Vermont Bot. Club Bull. **6**: 19. Ap 1911.
- Dismier, G.** Revision of the American species of *Philonotis*. Bryologist **14**: 44-52. My 1911.
An English abstract by Chamberlain, E. B.
- Edwards, C. L.** The Vienna Institution for experimental biology. Pop. Sci. Mo. **78**: 584-601. f. 1-18. Je 1911.
- Eggleston, W. W.** *Habenaria ciliaris* in Vermont. Vermont Bot. Club Bull. **6**: 16. Ap 1911.
- Elwes, H. J.** Mexican Pinguiculas. Gard. Chron. **49**: 292. 13 My 1911.
- Essed, E.** The Panama disease. Ann. Bot. **25**: 343-361. pl. 28, 29. Ap 1911.
- Essed, E.** Rice disease caused by *Ustilaginoidella graminicola*. Ann. Bot. **25**: 367, 368. pl. 31. Ap 1911.
- Essed, E.** The Surinam disease. A condition of elephantiasis of the banana caused by *Ustilaginoidella oedipigera*. Ann. Bot. **25**: 363-365. pl. 30. Ap 1911.

- Fawcett, H. S., & Burger, O. F.** A gum-inducing *Diplodia* of peach and orange. *Mycologia* **3**: 151-153. 3 Je 1911.
- Flynn, N. F.** Some notes on last season's botanizing. *Vermont Bot. Club Bull.* **6**: 17. Ap 1911.
- Gates, R. R.** The mode of chromosome reduction. *Bot. Gaz.* **51**: 321-344. 17 My 1911.
- Geerts, J. M.** Cytologische Untersuchungen einiger Bastarde von *Oenothera gigas*. *Ber. Deuts. Bot. Gesells.* **29**: 160-166. *pl.* 8. 27 Ap 1911.
- Greene, E. L.** Accessions to *Antennaria*. *Leaflets* **2**: 143-151. 11 My 1911.
14 new species described.
- Greene, E. L.** A cruciferous monotype. *Leaflets* **2**: 136, 137. 11 My 1911.
Sandbergia Whitedii.
- Greene, E. L.** Four new *Potentillaceae*. *Leaflets* **2**: 137-139. 11 My 1911.
Includes new species in *Potentilla* (3) and *Horkelia* (1).
- Greene, E. L.** A further study of *Agoseris*. *Leaflets* **2**: 121-132. 11 My 1911.
Descriptions of 21 new species.
- Greene, E. L.** Miscellaneous specific types—IV. *Leaflets* **2**: 152. 11 My 1911.
Includes *Lupinus hirsutulus* and *Euthamia galetorum* spp. nov.
- Greene, E. L.** Some western roses. *Leaflets* **2**: 132-136. 11 My 1911.
Includes descriptions of 5 new species of *Rosa*.
- Greene, E. L.** Three new *Labiatae*. *Leaflets* **2**: 139-141. 11 My 1911.
Koellia fascicularis, *K. huronensis*, and *K. curvipes* spp. nov.
- Greene, E. L.** Two Californian columbines. *Leaflets* **2**: 141, 142. 11 My 1911.
Aquilegia hypolasia and *A. adiantoides* spp. nov.
- Griffiths, D., & Seaver, F. J.** *Fimetiariaceae*. *N. Am. Fl.* **3**: 65-88. 29 D 1910.
- Grout, A. J.** Notes on Vermont bryophytes. *Vermont Bot. Club Bull.* **6**: 14, 15. Ap 1911.
- Györfy, I.** *Novitas C[B]ryologica*. *Bryologist* **14**: 41, 42. *pl.* 6. My 1911.
Cladosporium herbarum in *Buxbaumia viridi* parasitum.
- Harris, J. A.** The biometric proof of the pure line theory. *Am. Nat.* **45**: 346-363. Je 1911.

- Harris, J. A.** The measurement of natural selection. Pop. Sci. Mo. 78: 521-538. f. 1-7. Je 1911.
- Harshberger, J. W.** The soil, a living thing. Science II. 33: 741-744. 12 My 1911.
- Harter, L. L.** A new species of *Alternaria*. Mycologia 3: 154, 155. 3 Je 1911.
Alternaria Forsythiae Harter described.
- Heller, A. A.** Seedlings of *Lupinus Tidestromii*. Muhlenbergia 7: 53-55. f. 9, 10. 15 My 1911.
- Hollick, A.** Notes on introduced plants collected near Arlington, Staten Island. Proc. Staten I. Assoc. 3: 62-65. 2 My 1911.
- Howe, R. H.** American species of *Alectoria* occurring north of the fifteenth parallel. Mycologia 3: 106-150. pl. 41-47. 3 Je 1911.
- Iltis, H.** Über einige bei *Zea Mays* L. beobachtete Atavismen, ihre Verursachung durch den Maisbrand, *Ustilago Maydis* DC. (Corda) und über die Stellung der Gattung *Zea* im System. Zeits. Induk. Abstammungs- und Vererbungslehre 5: 38-57. pl. 2, 3.+f. 1-4. Ap 1911.
- Koehne, E.** Die Gliederung von *Prunus* Subgen. *Padus*. Abhandl. Bot. Ver. Brandenburg 52: 101-108. 1911.
- Kunze, R. E.** Beiträge zur Kultur einiger Kakteen von Nord-Amerika. Monats. Kakteenk. 21: 67, 68. 15 My 1911.
- Lewis, I. M.** The development of the spores in *Pleurage zygospora*. Bot. Gaz. 51: 369-373. pl. 19. 17 My 1911.
- Lloyd, F. E.** Manufacture of rubber from the guayule plant. Jour. N. Y. Bot. Gard. 12: 96, 97. 31 My 1911.
- Lloyd, F. E.** An unusual pine. Jour. N. Y. Bot. Gard. 12: 98-102. f. 24, 25. 31 My 1911.
- Lorenz, A.** New hepatics. Vermont Bot. Club Bull. 6: 15. Ap 1911.
- Lukens, T. P.** The Sequoias. Jour. Geogr. 9: 268-270. Je 1911.
- Marshall, F. R.** The relation of biology to agriculture. Pop. Sci. Mo. 78: 539-553. Je 1911.
- Miller, E. C.** The origin of the chloroplasts in the cotyledons of *Helianthus annuus*. Bot. Gaz. 51: 378-384. pl. 21. 17 My 1911.
- Murrill, W. A.** Illustrations of fungi—VIII. Mycologia 3: 97-105. pl. 40. 3 Je 1911.

Includes descriptions and illustrations of *Omphalia Volkertii*, *Inocybe Lorillardiana*, *I. Astoriana*, *I. abundans*, and *Campanularius semiglobatus* spp. nov.